

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently amended) A data communication method in a communication system, comprising:

transmitting and receiving speech and/or data by means of a mobile device of the communication system and by using a predetermined transmission resource,
determining the location of the mobile device of the communication system,
in response to the transmitting of speech and/or data by the mobile device,
transmitting, with the speech or data, information about the location of the mobile device to a predefined group of users currently connected to a network element of the communication system, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

2. (Original) The method of claim 1, wherein the determining step further comprises: determining the location in the mobile device.

3. (Original) The method of claim 1, wherein the determining step further comprises: determining the location using a satellite positioning system.

4. (Original) The method of claim 1, further comprising: establishing a packet switched connection between the mobile device and a network element of the communication system as the predetermined transmission resource.

5. (Original) The method of claim 1, further comprising: transmitting information about the location in response to a command given by the user of the device.

6. (Original) The method of claim 1, further comprising:
detecting a change in the location of the mobile device;
transmitting information about the location on the basis of the detection.
7. (Previously presented) The method of claim 1, wherein the mobile device is participating in a group call.
8. (Previously presented) The method of claim 7, wherein the predefined group of users is participating in a group call.
9. (Previously presented) The method of claim 1, wherein at least one user of the predefined group of users receives the information about the location using a mobile device.
10. (Previously presented) The method of claim 1, wherein at least one user of the predefined group of users receives the information about the location by using a personal computer.
11. (Original) The method of claim 4, wherein at least one packet comprising information about the location replaces at least one speech or data packet.
12. (Original) The method of claim 4, wherein at least one packet comprising information about the location is transmitted among speech or data packets.
13. (Original) The method of claim 4, wherein each packet comprises information about whether it contains speech, data or information about the location of the mobile device.
14. (Original) The method of claim 1, wherein the information about the location of the mobile device is sent as a separate message.

15. (Original) The method of claim 7, further comprising:

detecting a pressing of a predetermined key of the mobile device,
activating speech transmission on the basis of the detection.

16. (Canceled)

17. (Original) The method of claim 15, further comprising:

transmitting information about the location of the mobile device in a predefined part
of the transmission.

18. (Original) The method of claim 1, further comprising:

receiving a location query from the system, and
determining and transmitting information about the location of the mobile device in
response to the query.

19. (Original) The method of claim 7, wherein

each device participating in the group call transmits information about its location to
a predetermined participant in the group call, and
the predetermined participant in the group call transmits the information about the
location of each device to all participants.

20. (Original) The method of claim 1, wherein the time when location was determined is
included in the location information.

21. (Canceled)

22. (Previously presented) The method of claim 1, further comprising:

transmitting location information to the network element, and

storing location information in the network element.

23. (Original) The method of claim 1, wherein the location information is sent without intervention by the user of the device.

24. (Original) The method of claim 1, wherein the information about the location of the mobile device is used as input information for an application running in a mobile device or a computer.

25. (Currently amended) A data communication method in a communication system, comprising:

transmitting and receiving speech and/or data by means of a mobile device of the communication system and by using a predetermined transmission resource,

determining the location of the mobile device of the communication system,

in response to the transmitting of speech and/or data by the mobile device,

transmitting, with the speech or data, information about the location of the mobile device to a predefined group of users currently connected to a network element of the communication system,

taking predefined privacy levels assigned to predefined groups or to users belonging to predefined groups into account in the transmission of the information, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

26. (Original) The method of claim 1, wherein transmission of location related information is triggered by an external event detected by a sensor of the mobile device.

27. (Original) The method of claim 1, wherein transmission of location related information is triggered by a voice command or a sound.

28. (Currently amended) A mobile device, comprising

location determining means for determining the location of the mobile device,
a transmitter for transmitting, with speech or data, information about the location of the mobile device in response to transmitting speech or data by the mobile device to a predefined group of users currently connected to a network element of a communication system, and

a receiver for receiving a response acknowledgement about the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

29. (Previously presented) The mobile device of claim 28, further comprising means to establish a packet switched connection between the mobile device and the network element as the predetermined transmission resource.

30. (Previously presented) The mobile device of claim 28, wherein the location determining means includes a satellite positioning system.

31. (Previously presented) The mobile device of claim 28, wherein the location determining means includes an inertia navigation arrangement.

32. (Original) The mobile device of claim 28, further comprising

a keyboard with at least one key,

means to detect a pressing of a predetermined key of the keyboard,

means to activate speech transmission on the basis of the detection.

33. (Canceled)

34. (Previously presented) The mobile device of claim 28, wherein the transmitter transmits information about the location of the mobile device in a predefined part of the transmission.

35. (Currently amended) A telecommunication system, comprising

at least a first and second mobile device,

at least one network element,

means to determine the location of the first mobile device and for the first mobile device to include a method with which the location of the first mobile device is determined in information about the location of the mobile device,

wherein the first mobile device includes transmitting means for transmitting speech and /or data to the network element by using a predetermined transmission resource, and to transmit the information about the location of the first mobile device in response to the transmitting of the speech or data by the first mobile device to a predefined group of users, including the second mobile device, and currently connected to the network element, and receiving means for receiving a response acknowledgement including the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

36. (Previously presented) The system of claim 35, further comprising a second network element configured to act as a group management server and at least two mobile devices configured to participate in a group call.

37. (Previously presented) The system of claim 35, wherein the

at least first and second mobile devices comprise a keyboard with at least one key, means to detect a pressing of a predetermined key of the keyboard, and means to signal a transmission request to the network element on the basis of the detection, wherein

the network element is configured to receive the request and allocate transmission turns between the mobile devices on the basis of the requests received from the mobile devices.

38. (Currently amended) A telecommunication system, comprising
at least first and second mobile devices,
at least one network element,
means to determine the location of a mobile device,
transmitting means in the first mobile device for transmitting, with speech or data
information about the location of the first mobile device to a predefined group of users
currently connected to a network element in response to transmitting speech or data by the
first mobile device, wherein predefined privacy levels assigned to predefined groups or to
users belonging to predefined groups are taken into account in the transmission of
information about the location of the first mobile device, and receiving means for receiving
a response acknowledgement including information about the location of at least one of the
users of the predefined group to which the information about the location of the mobile
device was transmitted,
wherein the at least one network element is configured to receive information about
the location of the first mobile device, and
to store the information.

39. (Previously presented) The system of claim 35,
wherein the network element is configured to transmit location information relating
to the first mobile device to a group of other devices.

40. (Original) The system of claim 35, wherein
the time when the location was determined and the method with which the location
was determined are included in the location information.

41. (Previously presented) A telecommunication system, comprising mobile devices and at
least one network element, the system comprising:
means to determine the location of a mobile device,

transmitting means in the mobile device to transmit speech and/or data to the network element by using a predetermined transmission resource, and to transmit information about the location of the mobile device by using the same predetermined transmission resources, wherein predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups are taken into account in the transmission of information about the location of the mobile device,

a network server configured to receive information about the location of the mobile device,

a network server configured to store the information, and

a network server configured

to receive a location information request,

to send location information updated within a given time limit as a response to the request,

and to request the updating of location information not updated within the given time limit.

42. (Canceled)

43. (Currently amended) A computer program distribution medium readable by a computer and encoding a computer program of instructions for executing a computer process for data communication in a mobile device, the process comprising:

providing transmission and reception of speech and/or data by using a predetermined transmission resource,

determining the location of the mobile device of a communication system,

including information regarding a method with which the location was determined in information about the location of the mobile device in the mobile device, and

providing, with the speech or data, transmission of the information about the location of the mobile device to a predefined group of users currently connected to a

network element of the communication system in response to transmitting speech or data by the mobile device, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

44. (Previously presented) The computer program distribution medium of claim 43, wherein the distribution medium comprises a computer readable medium, a program storage medium, a record medium, a computer readable memory, a computer readable software distribution package, or a computer readable compressed software package.

45. (Currently amended) A computer program distribution medium readable by a computer and encoding a computer program of instructions for executing a computer process for data communication in a mobile device, the process comprising:

providing transmission and reception of speech and/or data by using a predetermined transmission resource,

determining the location of the mobile device of a communication system, and

providing, with the speech or data, transmission of information about the location of the mobile device to a predetermined group of users currently connected to a network element of the communication system by using the predetermined transmission resource in response to transmitting speech or data by the mobile device taking predefined privacy levels assigned to predefined groups or to users belonging to predefined groups into account in the transmission of the information, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

46. (Currently amended) A telecommunication system, comprising:

means to determine the location of a mobile device and to include a method with which the location was determined in location information,

a first mobile device including transmitting means for transmitting, with speech or data, information about the location of the mobile device in response to transmitting speech or data by the first mobile device to a predefined group of users, including at least a second mobile device, currently connected to a network element of the telecommunication system,

at least one network element including transmitting means for transmitting, with the speech or data, information about the location of the mobile device to a predetermined group of users currently connected to the network element by using a predetermined transmission resource taking predefined privacy levels assigned to predefined groups or to users belonging to predefined groups into account in the transmission of the information, wherein the first mobile device and the at least one network element include receiving means for receiving a response acknowledgement including the location of at least one of the users of the predefined group to which the information about the location of the mobile device was transmitted.

47. (Canceled)

48. (Previously presented) The method of claim 1, further comprising updating and maintaining the predefined group of users by a presence server.

49. (Previously presented) The method of claim 1, further comprising storing the location information and the identities of the users of the predefined group by individual network elements.

50. (Previously presented) The method of claim 1, further comprising showing the response acknowledgement at a display of the mobile device.

51. (Previously presented) The method of claim 1, wherein the response acknowledgement is sent from the network element including the location information of the predefined group of users which is updated within a predetermined time interval.

52. (Previously presented) The method of claim 1, wherein the response acknowledgement is sent by the predefined group of users including the location information of the predefined group of users.

53. (Previously presented) The method of claim 1, wherein the response acknowledgement includes location information for at least one device controlled by a user of the predefined group.

54. (Previously presented) The method of claim 1, wherein the information about the location of the mobile device is transmitted by a dedicated protocol between the mobile device and the network element or between the mobile device and mobile devices of the predetermined group of users.

55. (Previously presented) The method of claim 54, wherein the dedicated protocol and a connection between the mobile device and the network element or between the mobile device and mobile devices of the predetermined group of users is encrypted.

56. (Previously presented) The method of claim 1, wherein the network element requests authentication of a terminal before sharing information from the network element.

57. (New) A data communication method in a communication system, comprising:
transmitting and receiving speech and/or data by means of a plurality of terminals of a user of the communication system,
determining the location of each of the plurality of terminals,

in response to the transmitting of speech and/or data by each of the plurality of terminals, transmitting, with the speech or data, information about the location of each of the plurality of terminals to a predefined group of users currently connected to a network element of the communication system,

taking predefined privacy levels assigned to the plurality of terminals into account in the transmission of the information such that only location information of a terminal that moves more than a predefined distance is transmitted to the predefined group of users.